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41

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<210> 1865

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<210> 1876

<211> 41

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<213> Homo sapiens

<400> 1876

atgtggaaca atcatgacta yatgcctttt actttctcta t 41

<210> 1877

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents at or deletion

<400> 1877

agaatcaata ttaaacacac ngttttatta tatggagtca t 41

<210> 1878

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents a or deletion

<400> 1878

ctgtcctaaa gtttaaaaag naaaaaaaaaa ggaagaagga a

41

<210> 1879

<211> 41

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<213> Homo sapiens

<220>

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<222> 21

<223> n represents 12 to 14 repeats of t

<400> 1879

cctttacaaa ctcttagaca nagtttaaca tgttacaaaa c

41

<210> 1880

<211> 41

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actcttcccc cttgtcaaca yatgatgaag cttttaaata c

41

<210> 1881



<211> 41

<212> DNA

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gggtgaagct cttcccccac yggaactcaa gcaagtgcaa g

41

<210> 1882

<211> 41

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<213> Homo sapiens

<220>

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<222> 21

<223> n represents t or deletion

<400> 1882

ggatgaatta agttttttt naaaaaagaa acatttgga a

41

<210> 1883

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<213> Homo sapiens

<400> 1883

aaaggggctg aaggggtctt ycttttgtgt tcccctgact g

41

<210> 1884

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents cac or deletion

<400> 1884

cacccaccca ccaccaccac naaggtaacg ttctgcccac c

41

<210> 1885

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1885

agcctgggca acatagtgag rcccccccg ccctttctac a

41

<210> 1886

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<400> 1886

aggaggactg tgaatcccag mctgcatgtt tgggtcggat t

41

<210> 1887

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<400> 1887

catctcacta aggaagaatc yagtaaccag caaggatgag a

41

<210> 1888

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<400> 1888

cccagactgc actcctgcag ygctgcctgg ctcctgtagt t

41

<210> 1889

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41

<210> 1890

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ccctaccct agcccagggg yccccacatg agtatgaatg g

41

<210> 1891

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents cca

<400> 1891

agagaaccct tcattaacca ngggcgtggc tgaccagtgt c

41

<210> 1892

<211> 40

<212> DNA

<213> Homo sapiens

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agagaaccct tcattaacca gggcgtggct gaccagtgtc

40

<210> 1893

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1893

taaagcacia gttatcacc rtggatggat ttgtccttt c 41

<210> 1894

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1894

ttatctcccc ttgaaaggac rctccacaga gccagaaatt c 41

<210> 1895

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<213> Homo sapiens

<400> 1895

cagagccaga aattctagaa sagggaaaag tggaggggag g 41

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<400> 1897

tgaactgcag ggacagaagg maatgggtat tgggagaatg g 41

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gacagaagga aatgggtatt rggagaatgg ccagccctcc a 41

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<400> 1900

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<400> 1901

cattattcca gtcctgaggc rtgagagcag aaggccgatg c

41

<210> 1902

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<213> Homo sapiens

<400> 1902

ccgatgcttc tgccctccat sctaatgtcc tctgcaggg a

41

<210> 1903

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<400> 1903

ccatcctaata gtcctcctgc mgggacccaa ggtggatggc a

41

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<210> 1905

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agacactgca tctggccac rtgtgctcta cccagggtc c

41

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41

<210> 1908

<211> 41



<212> DNA

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<210> 1909

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<400> 1909

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<210> 1913

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<400> 1913

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<400> 1914

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<210> 1916

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41

<210> 1917

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<400> 1917

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41

<210> 1918

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<210> 1919

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<213> Homo sapiens

<220>

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<222> 21

<223> n represents t or deletion

<400> 1919

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<212> DNA

<213> Homo sapiens

<400> 1920

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<210> 1923

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<400> 1923

gccctctcat ttcccttcca rtgctgagcg ttccagtg t g 41

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accaagaatg aggccatccc ktccccacgt ggctgcccc t 41

<210> 1926

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<400> 1926

tgggttcaaa gatggaatgg kgcataactc agcaaaatta t 41

<210> 1927

<211> 41

<212> DNA

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<400> 1927

gggagggagg ctggacaggg satgaaggca gaggctggtg g 41

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<213> Homo sapiens

<400> 1928

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<210> 1930

<211> 41

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actcattcca agtattgatc ragaagagag gtaggtactg g 41

<210> 1931

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<212> DNA

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<400> 1931

ttgaagatct taagttgttt ytggttcaact catttcgcaa a 41

<210> 1932

<211> 41

<212> DNA

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<400> 1932

agctaaaagc aaaacagcct ytgacctggc aagcattccc a 41

<210> 1933

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<212> DNA

<213> Homo sapiens

<400> 1933

tgctctactt ttcttttgac scattataact tcctgacttc g

41

<210> 1934

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<400> 1934

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41

<210> 1935

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ttgcaaactg agttagggcc yggagagctt actgtgtgct g

41

<210> 1936

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<400> 1936

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41

<210> 1937

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tatagattaa tgaggctctg rgccctcaa aaccttcct c

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cccttacctc tcaaaaaaac rcttgagata ccctagaggt g

41

<210> 1939

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ctcaggatct tcctggagga yatggtcac tccatgaga g

41

<210> 1940

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<210> 1941

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41

<210> 1942

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<400> 1942

acaagcccct gagaatgcct yccgcacccc ctactccgc c

41

<210> 1943

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gcccttccat cgatcaccca yaccagcca tctactccc c

41

<210> 1944

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<400> 1944

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<210> 1945

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<211> 41

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tagtatttaa cctgcccaaa ygctgtgtga agtgctgacc t 41

<210> 1947

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1947

tccccccac aagcttagac raacaggatt ctctgtgac t 41

<210> 1948

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1948

tttggtgaca gggcatcaac ytgtctggtg gtcaacgcca g 41

<210> 1949

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents c or deletion

<400> 1949

caaggatagc acaaagacc nattgcagac ttcagatgga g 41

<210> 1950

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1950

gaaggtgggt atatccaggg rtggccaagc agccaccct g

41

<210> 1951

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1951

gttctgctag aacctgaact yataaaggct ttcctgtct t

41

<210> 1952

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1952

gtgagcgtct gcacatcaa staaagattg tttctcctc c

41

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41

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<400> 1954

cagctccctg cctccccctc rctctctctc cctcagccag c

41

<210> 1955

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1955

gacagctgct gagtcaggcc ragccggcag ctgagaaagg c

41

<210> 1956

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1956

cagctgagaa aggcggcagt sgtcagatgg gcttgagaaa c

41

<210> 1957

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents aaaa or deletion

<400> 1957

cctccaaaaa ataaaaacaa ncagaaatga aggaaataga a

41

<210> 1958

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1958

tggggtaagc ggaagacggg rttgaacgct ttgagtttg t

41

<210> 1959

<211> 41

<212> DNA

<213> Homo sapiens

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ctcttaggga tcttgtctaa ktaaagaaga gcagagcaaa g

41

<210> 1960

<211> 41

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cagatcccag cttcctgtaa rcagcctcag atcaggccaa a 41

<210> 1961

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<212> DNA

<213> Homo sapiens

<400> 1961

gcgcctcaca ctctataac rcgcacatgc cctgatgcac a 41

<210> 1962

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<400> 1962

atgccctgat gcacacacat yttcaacacg cacttactct a 41

<210> 1963

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<212> DNA

<213> Homo sapiens

<400> 1963

agacacgtca ccctcccaca ygtctccacc ctgggggtgt g 41

<210> 1964

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<212> DNA



<213> Homo sapiens

<400> 1964

tcagtccct cagacacatg mcctctctcc acgcagagac a 41

<210> 1965

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1965

gcggccaagg agagtgatga yggcagccca ggttgatcag a 41

<210> 1966

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1966

gctcctgggg ctccagcctt ygcagccctt gtgtgtgtct g 41

<210> 1967

<211> 41

<212> DNA

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<400> 1967

ggcttcgcag tcacctctg kccctccagg gccgaggcct c 41

<210> 1968

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<400> 1968

aggggacctgg gggcagacag ygaggccacc ctgtattga g

41

<210> 1969

<211> 41

<212> DNA

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<400> 1969

cccagggaca ggactggcct sttgtggccg tcatcagtgc a

41

<210> 1970

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents c or deletion

<400> 1970

aggacattct ggccacatgc ntcacatccc tctccaagc c

41

<210> 1971

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1971

tgccccccac cgcgggtggt rtcccacca tcctgaccgc c

41

<210> 1972

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1972

tgttgtttct ccttaaagag mtatttggtt tccccccaa a

41

<210> 1973

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1973

gctggccttc tggcttgcag wagtgtatt ttaagaatca g

41

<210> 1974

<211> 41

<212> DNA

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<400> 1974

tcgagaagtt gtattttaag ratcagagct cttgtgagga g 41

<210> 1975

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<212> DNA

<213> Homo sapiens

<400> 1975

ttctgtggaa atcagaggct stctaaaata ttcctaattt t 41

<210> 1976

<211> 41

<212> DNA

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<400> 1976

tggacgcact caacatttc ragttattac tccttcaact c 41

<210> 1977

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<213> Homo sapiens

<400> 1977

aggatatcat gaaacactga mtcttagtaa aaactatctt t 41

<210> 1978

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tactgtggaa ttttcttgc macagagata tgtattttc a

41

<210> 1979

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<400> 1979

cagtggtaga tgtgttttct rttgccatca tctacaaata t

41

<210> 1980

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 7 to 9 repeats of t

<400> 1980

tgttcaaata ggctttttt ncagagaatt gaatgctttc t

41

<210> 1981

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents a or deletion

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<210> 1982

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1982

ctttttattt gctgcttacc rttttactaa ggttggatat a 41

<210> 1983

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1983

cttttaataa atgcaaactg yacacctggt ctataaaaag a 41

<210> 1984

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1984

cctatagaat tttcttttc kttttctca aaaaaattaa a 41

<210> 1985

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1985

tttcttttt ctcaaaaaa ytaaatgtt gttatttatt t 41

<210> 1986

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1986

ttctgtagat gaagcttaag wgctagatct tatttgaaaa a 41

<210> 1987

<211> 41

<212> DNA

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<400> 1987

ttttaactt attgttgcc ktttcatttt ttaatagaaa a 41

<210> 1988

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<212> DNA

<213> Homo sapiens

<400> 1988

cgaatttgct gcttttagag waatctttgc aaataataaa a 41

<210> 1989

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<213> Homo sapiens

<400> 1989

atctttcttc ttgtaagtat sagtgataga gctgactgca g 41

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<400> 1991

tgtgctgggtg tctatatctt rctgagaaaa ctagaattta t

41

<210> 1992

<211> 41

<212> DNA

<213> Homo sapiens

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ataagtgtc tcccagtgtt rattggactt agagcatttt c

41

<210> 1993

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents taac or deletion

<400> 1993

caaacagaa taatgaaaag ntattatcta aaataataaa a

41

<210> 1994

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents ctcttt

<400> 1994

aacatactct cctcctctct naagtcaaaa tatattagta t

41

<210> 1995

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents ct

<400> 1995

aacatactct cctcctctct naagtcaaaa tatattagta t

41

<210> 1996

<211> 40

<212> DNA

<213> Homo sapiens

<400> 1996

aacatactct cctcctctct aagtcaaaa atattagtat

40

<210> 1997

<211> 41

<212> DNA

<213> Homo sapiens

<400> 1997

ttctgtgaaa gtgtcccaaa wtgtgccttt aaattgtttt t 41

<210> 1998

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<212> DNA

<213> Homo sapiens

<400> 1998

agtgacacat gtatttttc yggattcct atgtttatca a 41

<210> 1999

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<212> DNA

<213> Homo sapiens

<400> 1999

ctcatttcaa acttggctat ytgactctc cccaggcatt g 41

<210> 2000

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<213> Homo sapiens

<400> 2000

atcccctagt gatgtacct ragcttgcc tccatcttcc t

41

<210> 2001

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2001

ctgatttata tattagctga yttccaagt tcagacatct a

41

<210> 2002

<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents a or deletion

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41

<210> 2003

<211> 41

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<213> Homo sapiens

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41

<210> 2004

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2004

attttggaag agaaattata kaaccttcca caactgaatt t

41

<210> 2005

<211> 41

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ctcatagttc agaagagttc mgagcccaat tcagaagagt t

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<211> 41

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<220>

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<222> 21

<223> n represents g or deletion

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ccagggacaa aagaagatga ygtaaactta aggattggga c

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agcaagccag gaagaaagtc sattaagttg tatttagaaa t

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<222> 21

<223> n represents aattagaa or deletion

<400> 2011

atagccatga aggataagaa ntgccattg ttatgttca g

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<400> 2014

aaatatttca gaatttgggg rtgtagagca ttgccgtca t 41

<210> 2015

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<220>

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<222> 21

<223> n represents t or deletion

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agacaacact gctttttgt rtgttcacaa ttcaacgaca g

41

<210> 2017

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<400> 2019

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<222> 21

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<222> 21

<223> n represents g or deletion

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<222> 21

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<400> 2027

aagggaatcc ctgagctgag matgaccagc ccagtggttt c

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<210> 2028

<211> 41

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<210> 2030

<211> 41

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<222> 21

<223> n represents aaa or deletion

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<222> 21

<223> n represents a or deletion

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gagaatatgg gacaccctt kttcatcctc tcatccagca t

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tccttcttgc atttattttt rgctggatgt tttatgcct c

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<210> 2034

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2034

aaccagctca atgggttagg raggacattg atcgtcatcc c

41

<210> 2035

<211> 41

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<210> 2040

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taaggcatcc aagccccttc rtaattggac actacctacc c 41

<210> 2041

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tctgtcatga cacttagcag kcagcccagc aggtgaaggt t 41

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gagggtgggca gagggtcagc ycactactgg attcctcagt c 41

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<210> 2049

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2049

cctccaaaat caacaatcca rttatgcct gtctgctagt t 41

<210> 2050

<211> 41

<212> DNA

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<400> 2050

aggaactatc caaagagaaa yacattcata tacttcgag g 41

<210> 2051

<211> 41

<212> DNA

<213> Homo sapiens

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gtcgtgtaaa ctgaaaatct saggagttga tggcttcagg c

41

<210> 2052

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41

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cgcattggcca tgccggctca yggctactggc ctcacctca g

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<210> 2058

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<210> 2063

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<210> 2064

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cattcacaaa agctctttct yctatggttg gctctgagtt t

41

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41

<210> 2067

<211> 41

<212> DNA

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41

<210> 2068

<211> 41

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aacggatgatg aaagaggcga ygtgagaagg aaggtggctt t

41

<210> 2069



<211> 41

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ttgcatggca cttactgacc rttgcacagg cctgcaacac c

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<210> 2070

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<400> 2070

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<210> 2071

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<210> 2072

<211> 41

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<222> 21

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<210> 2073

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tgctactgag gtagttcgca racattttac taagtcttca g

41

<210> 2074

<211> 41

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<222> 21

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gtctagagtc ttcaaagag wacacattct gagatttgag g 41

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ctgtcctcag ccacatgaaa rtctttgcc tacctgcct g 41

<210> 2080

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<210> 2090

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41

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<210> 2243

<211> 41

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<222> 21

<223> n represents 14 to 16 repeats of tca

<400> 2243

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<220>

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<222> 21

<223> n represents 8 to 10 repeats of a

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<220>

<221> modified base

<222> 21

<223> n represents cacagtcac or deletion

<400> 2245

ttgttgctt tgcaatggat nttattcact cattcattca c

41

<210> 2246

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

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<400> 2246

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<220>

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<222> 21

<223> n represents 10 to 12 repeats of a

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<220>

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<220>

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<222> 21

<223> n represents g

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<400> 2251

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41

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<222> 21

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<222> 21

<223> n represents a or deletion

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<223> n represents 10 to 13 repeats of t

<400> 2257

atcttcccca cctttcacta nggtcttcta tggggtaaag g

41

<210> 2258

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 11 to 13 repeats of gt

<400> 2258

gtaccctgga cctcccagaa ngagagagat gtccttcct g

41

<210> 2259

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents a or deletion

<400> 2259

ataggggcag aaaagacaca nccaaaagtt ctctctcact t

41

<210> 2260

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents g or deletion

<400> 2260

catgatcaga gtaagggggg nttggaggat ggggagggga g

41



<210> 2261

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents g or deletion

<400> 2261

ggagaggaaa tgatgttagt ncctcctgta aataggccca g

41

<210> 2262

<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents 9 to 11 repeats of t

<400> 2262

tgctcttttg tgggtaatgg ncctcttcca ggagaagaaa a

41

<210> 2263

<211> 41

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<220>

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<222> 21

<223> n represents g

<400> 2263

cgggggtggag ggttgggagg nctcatttgt cattatagat g

41

<210> 2264

<211> 40

<212> DNA

<213> Homo sapiens

<400> 2264

cgggggtggag ggttgggagg ctcatttgtc attatagatg

40

<210> 2265

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents tt or deletion

<400> 2265

tgctgccctc atcttctctc naaactagtt ctgtatttct c

41

<210> 2266

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 7 to 9 repeats of a

<400> 2266

tataacctga ctttttttc nggattgctt tttaaacad a

41

<210> 2267

<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents 9 to 11 repeats of t

<400> 2267

gctgaattag ttcccttggg nagttaactc ctgatttttg c

41

<210> 2268

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 9 to 10 repeats of a

<400> 2268

gataatcaat gctgtaaggg ntggcattag agatccagac c

41

<210> 2269

<211> 41

<212> DNA

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<222> 21

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41

<210> 2270

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<220>

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<222> 21

<223> n represents a or deletion

<400> 2270

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<210> 2271

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<212> DNA

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<222> 21

<223> n represents t

<400> 2271

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<212> DNA

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ccttgaccaa agcctggggg cagccattcc ccaaccctc

40

<210> 2273

<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents a or deletion

<400> 2273

ataaaaagag ggggaaaaaa ngaaggcagt cgctgcaggg c

41

<210> 2274

<211> 41

<212> DNA

<213> Homo sapiens

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<222> 21

<223> n represents ct or deletion

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gtggaccctt gagactgact nttccagatc ttgttaggt t

41

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<211> 39

<212> DNA

<213> Homo sapiens

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39

<210> 2276

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<212> DNA

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<222> 21

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41

<210> 2277

<211> 41

<212> DNA

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<222> 21

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<400> 2277

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41

<210> 2278

<211> 41

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<222> 21

<223> n represents a or deletion

<400> 2278

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41

<210> 2279

<211> 41

<212> DNA

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<220>

<221> modified base



<222> 21

<223> n represents c or deletion

<400> 2279

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41

<210> 2280

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<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents aaag or deletion

<400> 2280

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41

<210> 2281

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2281

agaatgttgg cccctcccc ytcctgcac cctgcagaa g

41

<210> 2282

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2282

aatgttggcc ccctccccct yctgcatcct ctgcagaagc c

41

<210> 2283

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2283

ggccagtgag tgacgggcag rtcgccc aaa tagcagcgtg c

41

<210> 2284

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2284

agagctgggg tcgtgcctcc rgctgggcaa ctgcctgtct c

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<210> 2285

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2285

ctctgtcccg tcccctgccc rgtctcacca tggccttctg g

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<210> 2286

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2286

ccccgggcca aggacctccc rtccaggca tccaggctgt c

41

<210> 2287

<211> 41

<212> DNA

<213> Homo sapiens

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cagcttggtg gaggccgtg rggacctggc ccaggaggta c

41

<210> 2288

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2288

gccggagggt cacggaaact rttgaagaa gtaggagta g

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<210> 2289

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2289

tgcggaggat cagaggcaca ygcaggagca aggcagaggg g

41

<210> 2290

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2290

accggacctt cgaggagctc rccctgctga gggatgtccg g

41

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<211> 41

<212> DNA

<213> Homo sapiens

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ttttttttt ttttttttt wtaagagatg gagtctcact c

41

<210> 2292

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<212> DNA

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41

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<400> 2294

gagatcttgg ctactgcaa ytcgcgcctc ctggattcaa g 41

<210> 2295

<211> 41

<212> DNA

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<400> 2295

cgcacacgct gatgtggggc rcctggtggg cacgctgggc c 41

<210> 2296

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2296

gagtgacgga ggtgagggcc ygtccacctg cggggtctgt t 41

<210> 2297

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2297

cctgggcccc ggccacgtgc rcatcaaat ccgcatggac a 41

<210> 2298

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<400> 2298

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<213> Homo sapiens

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41

<210> 2301

<211> 40

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ggggcgggccc cacgtgggtg gcgccccag gccaatccag

40

<210> 2302

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2302

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41

<210> 2303

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<213> Homo sapiens

<400> 2303

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40

<210> 2304

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<400> 2304

ggcggggctc cgggccgggt sgcacctgct ttgcgggagg c

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ctggacccaa agggtagagg ctacgaggct taatagctgg

40

<210> 2306

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<213> Homo sapiens

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41

<210> 2307

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<212> DNA

<213> Homo sapiens



<400> 2307

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40

<210> 2309

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2309

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41

<210> 2310

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2310

ctgctgggag accgtgtggc ytggtggca ggtggccgct t

41

<210> 2311

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2311

gggtggggcg tgagccgggg ytcctgaag caccctttg t

41

<210> 2312

<211> 41

<212> DNA

<213> Homo sapiens

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41

<210> 2313

<211> 41

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<213> Homo sapiens

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41

<210> 2314

<211> 41

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41

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<400> 2316

ccccctggga gctctcccg cccccgggc ctcagctccc 40

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ctgcctgcat ggccccacag rtacggaggc ttctcgctgg g 41

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41

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41

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41

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ctctacctcc cacacgcgga scaggccctg agacaccct g

41

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ctccttgact ctgccttctg yggccctgcc cacttgctcc t

41

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41

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41

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<210> 2334

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<212> DNA

<213> Homo sapiens

<400> 2334

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<210> 2335

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ggcgcaggac caggaggcgt sagccggggg ctctgggtgg a

41

<210> 2336

<211> 41

<212> DNA

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<400> 2336

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41

<210> 2337

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41

<210> 2338

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<400> 2338

ggcggggcca taggaaagtg sggcgggggt atttattgtg t

41

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<400> 2339

tggcgccga gtccctggg kcgagctgc gcgaggcaca t

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<210> 2341

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caagctgagt gtgcacatac rggccaagtg gcgattcata g 41

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cttacaggag cccggtgtcc yggagcacag gccagggccg g 41

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<400> 2345

cagcaggag acttggggag rgggagaga gttcacactg c 41

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<400> 2346

agcagggaga cttggggagg rgggagagag ttcacactgc g 41

<210> 2347

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2347

cctcgacctg acccacttca yggggctgca gggcgggtga t

41

<210> 2348

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 22 to 26 repeats of t

<400> 2348

cgtaactac cagtcctgc naagagatgg agtctcactc t

41

<210> 2349

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 8 to 10 repeats of g

<400> 2349

ggggactctg agggctctggt nactctgagg gtctgggggc c

41

<210> 2350

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 6 to 7 repeats of c

<400> 2350

ccccctggga gctctcccg nggccctcag ctccccttc c

41

<210> 2351

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 12 to 14 repeats of a

<400> 2351

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41

<210> 2352

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2352

cctgggcttc agcaggggcc ycacacctgc aatgggtgcc t

41

<210> 2353

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2353

cctcacacct gcaatgggtg yctggggaga gggcgcagat g

41

<210> 2354

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2354

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41

<210> 2355

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2355

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41

<210> 2356

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<211> 41

<212> DNA

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<400> 2358

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<210> 2359

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<400> 2359

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<210> 2360

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<212> DNA

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<400> 2360

tgacagacag gatatgtctg stgtgtcca gctgctggtt t 41

<210> 2361

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<212> DNA

<213> Homo sapiens

<400> 2361

ccctctctgt gccactgtt stcccaacac cagcctgttc t 41

<210> 2362

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2362

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<210> 2363



<211> 41

<212> DNA

<213> Homo sapiens

<400> 2363

gctttcagag cccattcaca yaagggcttc attttattag g

41

<210> 2364

<211> 41

<212> DNA

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<400> 2364

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41

<210> 2365

<211> 41

<212> DNA

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<400> 2365

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41

<210> 2366

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<400> 2366

gctaaagtgc atggaaggca ycatgaataa atcctttcag g 41

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<210> 2368

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<400> 2368

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<400> 2369

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<400> 2370

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41

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<213> Homo sapiens

<400> 2371

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<210> 2372

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2372

gcctgagagc gctggcagta rgaagggtcg ccagtgtgga c

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<210> 2373

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2373

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41

<210> 2374

<211> 41

<212> DNA

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<211> 41

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<400> 2375

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<210> 2376

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<212> DNA

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tgaaggtga actggagtag stgaggattc tgcagttgac g

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<212> DNA

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<210> 2431

<211> 41

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<400> 2432

agctagtcac aaataaatac rccagagtag taaggaagag a 41

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<210> 2436

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41

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41

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41

<210> 2441

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<400> 2448

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<210> 2449

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<400> 2451

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<210> 2454

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41

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<210> 2458

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41

<210> 2466

<211> 41

<212> DNA

<213> Homo sapiens

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41

<210> 2467

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2467

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taactctttg gaaacttctt raaatttaaa actgtttacc t

41

<210> 2469

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41

<210> 2470

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<213> Homo sapiens

<400> 2470

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<210> 2471

<211> 41

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<213> Homo sapiens

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catcaattca ggtcaagaaa yagaagattg tagcacacaa a 41

<210> 2474

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<213> Homo sapiens

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<222> 21

<223> n represents tcac or deletion

<400> 2474

gttgggatgg ctacactcac naaagcctga tggcccgttt c

41

<210> 2475

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents t or deletion

<400> 2475

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41

<210> 2476

<211> 41

<212> DNA

<213> Homo sapiens

<220>



<221> modified base

<222> 21

<223> n represents 9 to 11 repeats of t

<400> 2476

tcaatatgtt tctgcttattc naatgggttac ttaatcctaa t

41

<210> 2477

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 7 to 8 repeats of a

<400> 2477

aaacacttga ataagttgag nccccgtttt cacataatgt t

41

<210> 2478

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2478

ggcctgggtg tcccatgttc rgaaagtcct gcaccagtgg g

41

<210> 2479

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<213> Homo sapiens

<400> 2479

gaacacagaa ggtattctga ragggcattg acccccatcc t

41

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tggtgtccct catgaagtc ytggcacagg ggggccgtac c

41

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<400> 2483

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<400> 2484

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<211> 41

<212> DNA

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<400> 2486

acgagataag tgatggcatc rtggccaggg aggaagggga c

41

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gggggacagc ttgaacaaga rtgtggaggc aggatggaca c

41

<210> 2488

<211> 40

<212> DNA

<213> Homo sapiens

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gagtgacagg cacatacatg gaacaggcca tctcagccct

40

<210> 2489

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<212> DNA

<213> Homo sapiens

<400> 2489

aactcagatt ctggcacct ycagcagctg gcttcgcca c

41

<210> 2490

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2490

ctgaaattat atgcaaattc ygtagcttta taggaagcag a

41

<210> 2491

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2491

ttgtgtagga agctgatata ktaatttgac atatgagatg t

41

<210> 2492

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<212> DNA

<213> Homo sapiens

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ccaagaaact tcagctttct yttcacttaa atataggaaa c

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atatccagaa acagatggta ygtgcagaac aggttgta g

41

<210> 2494

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2494

tgatgatta gactgactct sagaatattg ataagccatt t

41

<210> 2495

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 13 to 16 repeats of t

<400> 2495

ttgtctggg ttggtgggg ngagactggg tctgactctc a

41

<210> 2496

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 9 to 10 repeats of t

<400> 2496

tacatttgc aaaatttata ngcagataat catttcatct c

41

<210> 2497

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 14 to 16 repeats of t

<400> 2497

taaattcaca tgattctgta naggatcctc ctgactggca g

41

<210> 2498

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 13 to 17 repeats of t

<400> 2498

tctttcaaac ttatatttgc ncatagtttc atgtttgatg a

41

<210> 2499

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents t

<400> 2499

ttgctctgtt tcaaattctt nttcatggg ccagcagctc g

41

<210> 2500

<211> 40

<212> DNA

<213> Homo sapiens

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ttgctctgtt tcaaattctt attcatgggc cagcagctcg

40

<210> 2501

<211> 41

<212> DNA



<213> Homo sapiens

<220>

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<222> 21

<223> n represents 8 to 9 repeats of a

<400> 2501

agtgtagatg gacctcgggg nctagttaag gaaaagtaat a 41

<210> 2502

<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents 8 to 9 repeats of t

<400> 2502

ttccaatttt ccattgttac ncttgccaga ttactcctga a 41

<210> 2503

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents gcagtattactgtagt or deletion

<400> 2503

tcctctgcat ttggcttct nattgtcat ttcaaatta a

41

<210> 2504

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 13 to 14 repeats of t

<400> 2504

tttttggtt tcttcttct naatcttga ggaatcttt t

41

<210> 2505

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 9 to 10 repeats of t

<400> 2505

gattagaaat ccaggttaaa ngttttgcac aaaaatatta c

41

<210> 2506

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 10 to 11 repeats of t

<400> 2506

taaaatttaa tcaaaattga nctcttagtc ctcaaaccct t

41

<210> 2507

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<212> DNA

<213> Homo sapiens

<400> 2507

taaatggaga aaataacacc racctgatag cattgttgtg a

41

<210> 2508

<211> 40

<212> DNA

<213> Homo sapiens

<400> 2508

aaactcccca agcatgctca ctagtcctt accctaggtc 40

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<400> 2512

tttccttag gaagaaaaac rccttgctgt ttatgcatt t 41

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cccagaattc tgaatacagc rgcgatgacg ggactacgag g 41

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aacagatcca caggaccaga agcaaagggg aggaacatgc 40

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41

<210> 2524

<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents t or deletion

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41

<210> 2525

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<213> Homo sapiens

<220>

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<222> 21



<223> n represents 12 to 15 repeats of t

<400> 2525

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<210> 2526

<211> 41

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41

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41

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41

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41

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41

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<210> 2549

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<212> DNA

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<400> 2549

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39

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gcttggtgtc ttcttggtt yatggctgtg ttttgctt t 41

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41

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41

<210> 2574

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41

<210> 2575

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<400> 2575

taaagcaa ttaggctttt rtcttctgc aatacatgca c

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41

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ttccaaggct acagacatgg ygccatcctc acaggcctag c 41

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39

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41

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41

<210> 2586

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<222> 21

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41

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<220>

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<222> 21

<223> n represents at or deletion

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41

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ctgggtggag tgggtggca yggagttgaa gaccagtc t

41

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tgtgccggcc ccagccctga scatgcatcc ctttggggac c

41

<210> 2590

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<400> 2590

accacccttc tgcgtagcac rgagggtggg tggcatcaag g

41

<210> 2591

<211> 40

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<400> 2591

tgtaggctga ggtcagcccc atccagtcca aagcccaccc

40

<210> 2592

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gaatgcggaa gtgctctgtg rgcaccacc atgctccggg c

41

<210> 2593

<211> 41

<212> DNA

<213> Homo sapiens

<400> 2593

gatctggggc ggagggtaca yggggctggc gctgggtgaa g

41

<210> 2594

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<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents t or deletion

<400> 2594

tggtgtaaat tttttttt ngctcaaaa atatagtatt t

41

<210> 2595

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents ttc or deletion

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ggaaatgctg gctaaataaa nggtatcaaa ctaactctga a 41

<210> 2597

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<210> 2598

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<210> 2599

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<400> 2599

aaggaatttg cataagacag ytatgcaaaa tggagctgga g

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41

<210> 2601

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41

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<211> 40

<212> DNA

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<400> 2602

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40

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41

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41

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<400> 2606

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tactcttaaa attaatcctt ttattataag tatacagtct 40

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<400> 2609

cgccgcgccc ccgccacagc rcccaggcgc ccgcaggga c

41

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41

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40

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ctactgaaac gggataaatg yagcttgatg attttcagct g

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<210> 2638

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<213> Homo sapiens

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<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents 9 to 11 repeats of c

<400> 2651

gtaaaattgt tttaactaga nttcctaaac caaggataa a 41

<210> 2652

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 15 to 21 repeats of a

<400> 2652

ctgtatccat tggaaggcac ntgcaaagga aacaaggcaa a

41

<210> 2653

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents ggggtggcggggtggg or deletion

<400> 2653

tggcggggtg gcagggtggc ngagcagttc cacatctccc c

41

<210> 2654

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents t or deletion

<400> 2654

ctcactggaa ctttttttt naatttaatt tttaaaattt t

41

<210> 2655

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents a

<400> 2655

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41

<210> 2656

<211> 40

<212> DNA

<213> Homo sapiens

<400> 2656

cacttccatt ctgactgtta cggtgtgatt cttctgcc

40

<210> 2657

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents a or deletion

<400> 2657

gcgcgtgctg ttctccctt ntctgcctt gtacacgtgt g

41

<210> 2658

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 10 to 12 repeats of t

<400> 2658

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<210> 2659

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents tt

<400> 2659

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<212> DNA

<213> Homo sapiens

<400> 2660

aattccccca ttgcttctct ctgtagacat tttaaacct 40

<210> 2661

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents tccctccttgaagctgatcgt or deletion



<400> 2661

ccctccttga agctgacgt ngccaagat agttgctagg a

41

<210> 2662

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<220>

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<222> 21

<223> n represents 12 to 18 repeats of ca

<400> 2662

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41

<210> 2663

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<212> DNA

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<400> 2663

ttaataaatg ttattcaat kaaaccaact gctaatattc t

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41

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ggagaagggg accgcatgca raggggtggca ggcagggagg g

41

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gcccgcgaagc attgctgtat rgcaccagg cctccagtga g

41

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<400> 2671

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<400> 2672

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41

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<210> 2674

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41

<210> 2676

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<400> 2676

gaagctgccg ctccaggaag sagtctgtcg ttggagaaga g

41

<210> 2677

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41

<210> 2678

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41

<210> 2679

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cagcacgttt ttctatgaa yaagacattc tccaaataac t 41

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<210> 2686

<211> 41

<212> DNA

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<222> 21

<223> n represents aa

<400> 2686

ccccctcaat actagaacaa ngcagacaca ttaaattgta c

41

<210> 2687

<211> 40

<212> DNA

<213> Homo sapiens

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ccccctcaat actagaacaa gcagacacat taaattgttac

40

<210> 2688

<211> 41

<212> DNA

<213> Homo sapiens

<220>



<221> modified base

<222> 21

<223> n represents t or deletion

<400> 2688

actatttcaa tttttttt nggaggggga gacagagtct c

41

<210> 2689

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 9 to 13 repeats of t

<400> 2689

cccagcatta taagaatgac naagtgcaga tgtggggagg g

41

<210> 2690

<211> 41

<212> DNA

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<222> 21

<223> n represents aa or deletion

<400> 2690

tagcatttgg caaaggagaa ntgccaagaa gtatcttcga a

41

<210> 2691

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents ttgaca or gtccaatat

<400> 2691

agaaaactgg atgtctgaaa nactgcact tgtatgtgtt g

41

<210> 2692

<211> 41

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<220>

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<223> n represents cta or deletion

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ggattttaga ttcttccta nttctttcgg accttcacc c

41

<210> 2693

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<220>

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<222> 21

<223> n represents 9 to 10 repeats of t

<400> 2693

ttccatttt taagttagac ncacctctct cgttacttca g

41

<210> 2694

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<213> Homo sapiens

<220>

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<223> n represents gagatgttgggtcacat

<400> 2694

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41

<210> 2695

<211> 40

<212> DNA

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<400> 2695

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<210> 2696

<211> 41

<212> DNA

<213> Homo sapiens

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<223> n represents cc or deletion

<400> 2696

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41

<210> 2697

<211> 41

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<223> n represents act or deletion

<400> 2697

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41

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<213> Homo sapiens

<400> 2700

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41

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aaattattca atctctttgg rcagtgggtt cttttcttt g 41

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<400> 2706

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<212> DNA

<213> Homo sapiens

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ttttaatcta ataagcaatt saggaccatc taaagggaaa t

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<210> 2709

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41

<210> 2710

<211> 41

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<213> Homo sapiens

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41

<210> 2711

<211> 41

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<213> Homo sapiens

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<210> 2712



<211> 41

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<210> 2713

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<400> 2713

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<210> 2714

<211> 40

<212> DNA

<213> *Homo sapiens*

<400> 2714

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41

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41

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41

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41

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41

<210> 2732

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40

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41

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41

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<210> 2748

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<213> Homo sapiens

<400> 2750

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gatcagcatt acaaccaaga atggagaatg acattcagga

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<222> 21

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<210> 2918

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<222> 21

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<223> n represents 9 to 10 repeats of a

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<222> 21

<223> n represents ctt or deletion

<400> 2923

ttctctaact ccttctactc natttcaagc agatgcaact g

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<210> 2924

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<220>

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<222> 21

<223> n represents ctt

<400> 2924

aaattcttta tctacttttt ntccctctt tctctgcttt c

41

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aaattcttta tctacttttt ttccctcttt ctctgctttc

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<222> 21

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<210> 2927

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<222> 21

<223> n represents 9 to 11 repeats of a

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<223> n represents tgt or deletion

<400> 2928

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<222> 21

<223> n represents 24 to 27 repeats of a

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<222> 21

<223> n represents 10 to 21 repeats of ta

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<223> n represents 8 to 10 repeats of a

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gaatttatcc tacagatatg rccacacaga aaatgacata t 41

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41

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<210> 2999

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<222> 21

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<400> 2999

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41

<210> 3000

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41

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41

<210> 3003

<211> 40

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<213> Homo sapiens

<400> 3003

cctgttcgct tatatgcagc tttgtccaa ccaaacagaa

40

<210> 3004

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents g or deletion

<400> 3004

tataactttc tctttataaa natgcaaaat gttatagcat t

41

<210> 3005

<211> 41

<212> DNA

<213> Homo sapiens

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<222> 21

<223> n represents a or deletion

<400> 3005

aaaaataaat gaagtggagg naaaaaaatg atttcaagtt t

41

<210> 3006



<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 9 to 11 repeats of a

<400> 3006

acatccatgt ttaacagaat ntattttgta acgacaaaag a

41

<210> 3007

<211> 41

<212> DNA

<213> Homo sapiens

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<222> 21

<223> n represents g or deletion

<400> 3007

gagattgttt aaccaaatta ngaaactatt attcaacaca c

41

<210> 3008

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 4 to 5 repeats of at

<400> 3008

ttttatatat gaattaaaat ncatatataa tcttacctaa g 41

<210> 3009

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 7 to 8 repeats of t

<400> 3009

attttctata ttatgaactg naagggtagt gatgtgaata g 41

<210> 3010

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 19 to 23 repeats of t

<400> 3010

tagtgtgcca cccttctctc ngagatggag tctcgctctg t 41

<210> 3011

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents t or deletion

<400> 3011

ttctttctta actcaaaggc ntttttttt ccatgtgaca c 41

<210> 3012

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents tgat or deletion

<400> 3012

aaaaatctta aggcacacac ntgacagttg ccttgattgt a

41

<210> 3013

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents 8 to 10 repeats of t

<400> 3013

aaataaattg ttggcatcta natttttcta agggtcgctg t

41

<210> 3014

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents a or deletion

<400> 3014

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41

<210> 3015

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3015

gcagctcgga ctcagctccc rgagcaaccc agctgcggag g

41

<210> 3016

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3016

gaaggcctca gccccagcc rctgggctgg gcctggccca a

41

<210> 3017

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3017

caatagaaca accttttctc rggetcatgc cgcctgacc c

41

<210> 3018

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<400> 3018

ttctctggct tccccactc mgttctccag cctgcctgct c

41

<210> 3019

<211> 41

<212> DNA

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gagacttccc atgataacct yccagggctt ccccccaaa c

41

<210> 3020

<211> 41

<212> DNA

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<400> 3020

gaaccagatg cccccagcct ygactcagtc ccagtcacca c

41

<210> 3021

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 13 to 15 repeats of a

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ggaagatggg ggcctttgtt ngtaacatgga gaaattaact g

41

<210> 3022

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 12 to 15 repeats of t

<400> 3022

aataggttga ggaggagcag ntcaagagtg tggagggggc a

41

<210> 3023

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3023

ttgacctcca aaagtgtttg rattacaggc atgggccatt g

41

<210> 3024

<211> 41

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<213> Homo sapiens

<400> 3024

gtgtgtgtga gcatgcatat mtgtgtgtgg tggggagtgg g

41

<210> 3025

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<212> DNA

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<400> 3025

ccacatccat cattcgagac maactcgtct cagctgccat g

41

<210> 3026

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<212> DNA

<213> Homo sapiens

<400> 3026

cacatccatc attcgagaca mactcgtctc agctgccatg a

41

<210> 3027

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<212> DNA

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actagactgc tagtgtcctc yggtagagccc agtcccatag g

41

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ataaatgtgt acatgagtgt rtgaacacaa atacataagg t 41

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<400> 3029

tgtagcagcc cacatcgcca rtgttcacac ctgagagaga g 41

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ctgtgtcaga gacacagaca sggaggtcct ggctgcccga g 41

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<212> DNA

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<210> 3032

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<212> DNA

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<400> 3032

cctgcccaca gctctggctc rtcttgcccc agtgccatga c

41

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41

<210> 3034

<211> 41

<212> DNA

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gcaccaagac ccttggttc ytcccactca gagtccaagc a

41

<210> 3035

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3035

gctcatcctc tctggtcctt ktgccccagc acaggttct c

41

<210> 3036

<211> 41

<212> DNA

<213> Homo sapiens

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tctgctccac ccgtgcaccc scaagaggc aaagagctgg g

41

<210> 3037

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3037

tggcggtggc tgcagttaac wgtgtccatt cccttctcg t

41

<210> 3038

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3038

tcgaagtaca aaggaaagtt yaaagagaag cctgagcctg g

41

<210> 3039

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3039

gaccaatggg tttagactc raagacaaa attatgttta t 41

<210> 3040

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<400> 3040

gcccacgtca gacatgacca rtcaatcaca gcactttctc c 41

<210> 3041

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attgtcctgt cctctacca rgggagccat cctttatgaa c 41

<210> 3042

<211> 41

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<220>

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<222> 21

<223> n represents g

<400> 3042

tacatttggg ccccagggggg naggcgctga tcaggagaga a

41

<210> 3043

<211> 40

<212> DNA

<213> Homo sapiens

<400> 3043

tacatttggg ccccagggggg agcggtgat caggagagaa

40

<210> 3044

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents a or deletion

<400> 3044

tctgacttgg actgggcaaa ngatgggtgg tatctggata g

41

<210> 3045

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3045

cagggatcct cattctgagc scgaggcgag ggggactcgc a

41

<210> 3046

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents g or deletion

<400> 3046

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41

<210> 3047

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 11 to 13 repeats of t

<400> 3047

tttgaactg aagaacttac nataacgaac gttgacatct t 41

<210> 3048

<211> 41

<212> DNA

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<400> 3048

gcatgcagct tagaagtttt rtttatgag ggtctctaac c 41

<210> 3049

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents a or deletion

<400> 3049

ggtagctttt tcagaattta ntttgaagc tcttcagtt c 41

<210> 3050

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3050

tcagctcttt agtgagactt staaatttc taagacaagc a

41

<210> 3051

<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents 9 to 11 repeats of t

<400> 3051

agcatagtgg acaagcagta naaacgtgaa gagcagaagc t

41

<210> 3052

<211> 41

<212> DNA

<213> Homo sapiens

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tactgtaaga caatatgtta ytgtttttg tcttgctaaa c

41

<210> 3053

<211> 41

<212> DNA

<213> Homo sapiens



<400> 3053

ttgggacca catagagtca ytacttaaaa taaatgacca g

41

<210> 3054

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents t or deletion

<400> 3054

aggaatgtgc tttttaaac nagatggtgt tagtcaagga g

41

<210> 3055

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3055

gacttttata atttgtata rctgatatta taggaataca c

41

<210> 3056

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents t or deletion

<400> 3056

aaagagttat gttttttt nctgcatctg atattatatg g 41

<210> 3057

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3057

ttgtctttt atttattcat ytaaacttct gtttctggg g 41

<210> 3058

<211> 41

<212> DNA

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<400> 3058

ccttccaaac ctttacttaa sattgtctgt ttgggcata a 41

<210> 3059

<211> 41

<212> DNA

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<400> 3059

cataaattgt cagtcaaact rcatgttaat agaggacttc a

41

<210> 3060

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents t or deletion

<400> 3060

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<210> 3061

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3061

cccttcact acatgggcct rtgttaccat gtggaattat c

41

<210> 3062

<211> 41

<212> DNA

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aactccaggt tgcaaataga ygtttctggt attttaagta g 41

<210> 3063

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3063

tttgaaagc cctcctagca kttctttaat ttctttattg a 41

<210> 3064

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3064

agataaattg atgaattatt yactctgtgc tgctgataga t 41

<210> 3065

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> modified base

<222> 21

<223> n represents aaga

<400> 3065

taaaaagaat ttctaaaaga ncctttttt tgaataactc t 41

<210> 3066

<211> 40

<212> DNA

<213> Homo sapiens

<400> 3066

taaaaagaat ttctaaaaga cctttttt gaataactct 40

<210> 3067

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3067

ctgaaataga aacctttcag wgtacctgc agagcagtga a 41

<210> 3068

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3068

cagtgtcata aagatccagc rgaaatcaaa atgttcata t 41

<210> 3069

<211> 41

<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents aaaa or deletion

<400> 3069

tctaaaaaaa taaataaata ngagaaaatt aagtttaaga t 41

<210> 3070

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3070

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<210> 3071

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<212> DNA

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<400> 3071

tgggtcaaaa gccttcttca rccttaggat atgcattgag g 41

<210> 3072

<211> 41

<212> DNA

<213> Homo sapiens

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gtttgagaca ttaacttcta rttcaactga agatgctagt t 41

<210> 3073

<211> 41

<212> DNA

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<220>

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<222> 21

<223> n represents 9 to 11 repeats of t

<400> 3073

gaagagcaca gtagaaagac naaccctagc aatactattg a 41

<210> 3074

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3074

atcagtacaa tgtgttgggc rtacaacact taatttaaaa t 41

<210> 3075

<211> 41

<212> DNA

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<400> 3075

taatacaaat catttgaagc rtttactatt aaaaaaaca a 41

<210> 3076

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3076

cttgagcac ctactgcatt wtaagtgtg ttaagatgtg g 41

<210> 3077

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<212> DNA

<213> Homo sapiens

<400> 3077

ttaatcacct caatctttaa ygaatttctt gatttttctt t 41

<210> 3078

<211> 41

<212> DNA

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aatcaggata tgggggggttc rttctttatt ctgccacaaa t 41

<210> 3079

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3079

cattttaaaa tagtgcttta rtaggacttg gctgttaaag t 41

<210> 3080

<211> 41

<212> DNA

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<400> 3080

tggcataggt ttaaaaatgt ygttgtagg actcttttcc a 41

<210> 3081

<211> 41

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<220>

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<222> 21

<223> n represents a or deletion

<400> 3081

taaagaagga gaaaaaaaaa nctaactctga gactttgcag g 41

<210> 3082

<211> 41

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<400> 3082

ggatgatgct acccaaggaa ytgacactt ccagacagta c 41

<210> 3083

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<212> DNA

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<400> 3083

tcactccatt ttttaactgt scttcctaaa tgtgtggta a 41

<210> 3084

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<400> 3084

tctttgttac acttcttaaa ycggggtatc agataatctt c 41

<210> 3085

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3085

gaataaaagg atagggacat kggtaagacc actttttccc t 41

<210> 3086

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3086

gcctctcaat tttctcatgt ktaatagaga gaaaaccctg c 41

<210> 3087

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<400> 3087

gactgactgg ttcataagtt sagaaatttc actgtggtgc t 41

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<210> 3090

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gtaaaaggaa tccttcagaa ycagagggga tggtagcgac c 41

<210> 3091

<211> 41

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catacacttc tgctccgttt kccctgtcat tctgtgagcc a 41

<210> 3092

<211> 41

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tattcatact gtgaaaaagg wgtttcatgg tgaagaaatt c 41

<210> 3093

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ccacacctaa atgagattcc ygttttaaac actctcaagc t 41

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tgcacatata tactcattgt rgttttact aggaactaga c 41

<210> 3095

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cattgtgcta gattaggtgc yggggtaggt atgaaggggc a 41

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<210> 3098

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gattatggct gattttcagt ktctttttaa tatttttctc t 41

<210> 3099

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<212> DNA

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<400> 3099

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<211> 41

<212> DNA

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ttgtcccca ctccacctgt satttcatta ttaaacaac a 41

<210> 3101

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<212> DNA

<213> Homo sapiens

<400> 3101

ctctatttgg cctaacggta ycttggttt cttttacttc c 41

<210> 3102

<211> 41

<212> DNA

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<400> 3102

ttgggtcata agagctctct scatgggtgc taaacagat g 41

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<212> DNA

<213> Homo sapiens

<220>

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<222> 21

<223> n represents 11 to 13 repeats of t

<400> 3103

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<210> 3104

<211> 41

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<400> 3104

aataggatac aaatacacia wtagatgat tcagatccta a 41

<210> 3105

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3105

taaaatcggtt ttattgtta ytaggtatat aaaatttgct a 41

<210> 3106

<211> 41

<212> DNA

<213> Homo sapiens



<400> 3106

tctgatttta tcactgttta yagattgctt agtcatactc a

41

<210> 3107

<211> 41

<212> DNA

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<400> 3107

tgtagcctg tagctaaatg ytttcaa atgtgaacgg t

41

<210> 3108

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atgaggtccg actttaaga ytttgccta cattttctt c

41

<210> 3109

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3109

tattgatgga gttcttttta kaaatggact ttaccttct t

41

<210> 3110

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3110

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41

<210> 3111

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3111

tttcaagttt atttctgttt ktttttttt ttttttttt g

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<210> 3112

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<212> DNA

<213> Homo sapiens

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41

<210> 3113

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3113

gaaaagctac ttattcaaa rataaaagta tttaagaaa a 41

<210> 3114

<211> 41

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<400> 3114

aagctggaga aaatactagg ytttctcaa cagtatttc c 41

<210> 3115

<211> 41

<212> DNA

<213> Homo sapiens

<400> 3115

tttgagggg aactaatccc rtgacttcta ggtatctct t 41

<210> 3116

<211> 41

<212> DNA

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<400> 3116

ttcaccctc attttaggtt rggggaggtg gcttgctaca g 41

<210> 3117

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<400> 3117

cctcatttta ggtagggga rgtggcttgc tacagtttta g 41

<210> 3118

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<400> 3118

cgtgaatcat tcagtatttt rttaaaaat accagtttga a 41

<210> 3119

<211> 41

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<213> Homo sapiens

<220>

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<222> 21

<223> n represents acta

<400> 3119

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<210> 3120

<211> 40

<212> DNA

<213> Homo sapiens

<400> 3120

catgatttat tccttaacta tgctaagtca aagattctgc 40

<210> 3121

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<223> n represents gga

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<223> n represents 16 to 17 repeats of t

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